

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A system for accessing data, the system stored on computer storage medium, the system comprising:
 - a parser ~~to that~~ receives and parses information associated with a data source;
 - a data document component ~~to that~~ receives ~~at least~~ a portion of the parsed information, the data document component ~~having stores~~ a hierarchical model representation of the ~~at least~~ a portion of the parsed information associated with the data source; and
 - a data set component ~~to that~~ receives the ~~at least~~ a portion of the parsed information, the data set component ~~having stores~~ a relational model representation of the at least a portion of the parsed information associated with the data source;
 - the data set component and the data document component ~~being mapped to each other coordinate to facilitate accessing~~ enable access to the ~~at least~~ a portion of the parsed information in either ~~representation, changing representation such that changes to the~~ at least a portion of the parsed information in performed via the representation accessed ~~and synchronizing these changes in~~ are synchronized to the other representation.
2. (Currently amended) The system of claim 1, the data source being a relational database ~~document~~.
- 3-7. (Cancelled)

8. (Currently amended) A system stored on computer storage medium, the system facilitating access to data, comprising:

an XML data document component ~~having that stores~~ a hierarchical model representation of ~~information associated with data in~~ an XML source document; and

a data set component ~~having that stores~~ a relational model representation of ~~at least some a portion of the information associated with the data in~~ the XML source document,

~~wherein the system is configured to facilitate accessing and changing information in~~ the XML data document component facilitates access to the hierarchical model representation of the data and ~~reflecting these~~ propagates changes to the data via the hierarchical model in to the relational model representation of the data set component according to a mapping between the XML data document component and the data set component.

9. (Cancelled)

10. (Currently amended) The system of claim 8, further comprising an XML parser ~~configured to that~~ retrieves information from the XML source document and ~~to~~ sends the information to the XML data document component and the data set component.

11-26. (Cancelled)

27. (Currently amended) A computer storage medium having computer executable components for accessing data, comprising:

a data document component ~~configured to that~~ stores hierarchically represented source document ~~information data~~;

a data set component ~~configured to~~ stores relationally represented source document ~~information data~~; and

a component ~~configured to facilitate that~~ synchronizing synchronizes one or more changes made to the relationally represented source document ~~information data~~ with the hierarchically represented source document ~~information data~~.

28-29. (Cancelled)

30. (Currently amended) The system of claim 1, the data set component ~~having~~ comprises a structural inference component ~~configured to that~~ infers a relational model structure of the data source.

31. (Currently amended) The system of claim 1, the data set component ~~having~~ comprises a schema component ~~configured to that~~ receives a schema describing a relational model structure of the data source.

32. (Currently amended) The system of claim 10, the data set component further comprising a structural inference component ~~configured to that~~ infers a relational model structure of the XML source document.

33. (Currently amended) The system of claim 10, the data set component further comprising a schema component ~~configured to that~~ receives a schema describing a relational model structure of the XML source document.

34. (Currently amended) Computer-executable instructions for performing a method of accessing data, the computer-executable instructions stored on one or more computer-readable media, the method comprising;

parsing ~~information associated with~~ data from a data source;

mapping a hierarchical model representation of at least some of the parsed ~~information data~~ information data and a relational model representation of at least some of the parsed ~~information data~~ information data to each other; and

synchronizing changes made to the hierarchical model representation of the least some of the parsed ~~information data~~ information data with the relational model representation of the at least some of the parsed ~~information data~~ information data.

35. (Currently amended) A system for accessing data, the system stored on one or more computer-readable media, the system comprising;

means for parsing information associated with a data source, the data source includes at least one of an XML document or a database;

means for constructing a hierarchical model representation of at least a first portion of the parsed information, the hierarchical model representation is an unstructured data model;

means for constructing a relational model representation of at least a second portion of the parsed information, the relational model representation is a structured data model;

means for mapping the first portion of parsed information in [[a]] the hierarchical model representation of at least some of the parsed information with an overlapping segment of the second portion of the parsed information and a in the relational model representation, the overlapping segment comprises parsed data included in the first portion and the second portion; of at least some of the parsed information to each other;
and

means for synchronizing changes made to the overlapping segment via the hierarchical model representation of the at least some of the parsed information with the relational model representation; and of the at least some of the parsed information.

means for synchronizing changes made to the overlapping segment via the relational model representation with the hierarchical model representation.